

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Network~~ A network router ~~characterized in that it includes comprising:~~

at least one generic router ~~able~~ configured to ~~execute routings~~ route data between ~~inputs~~ (I_1, I_2, I_3, \dots) input devices and ~~outputs~~ (O_1, O_2, O_3, \dots) , output devices;

a memory unit configured to store a configuration file including ~~[[the]]~~ parameters of a given set of routings between said ~~inputs~~ input devices and ~~outputs~~, output devices; and

said memory unit further configured to store a routing table, wherein the generic router is further configured to load a subset of routings (R_1, R_2, \dots) being loaded from said configuration file into said routing table ~~by said generic router to enable this router and~~ to execute the routings between said ~~inputs~~ input devices and ~~outputs~~ output devices according to the configuration file ~~load defined in~~ into said routing table.

Claim 2 (Currently Amended): ~~Router~~ The network router according to the claim 1, wherein said subset of routings (R_1, R_2, \dots) is specific to a given need.

Claim 3 (Currently Amended): ~~Router~~ The network router according to the claim 2, ~~characterized in that when~~ wherein said generic router ~~starts up it activates~~ is configured to activate said ~~inputs~~ input devices and ~~outputs~~ output devices dedicated to ~~[[the]]~~ an application at start-up and ~~loads to load~~ load said routing table at start-up.

Claim 4 (Currently Amended): ~~Router~~ The network router according to any one of the preceding claims, wherein data processing functions (f_1, \dots, f_n) are associated with said subset of routings (R_1, R_2, \dots) , these functions being defined in said configuration file and

loaded into said routing table.

Claim 5 (Currently Amended): ~~Router~~ The network router according to the claim 4, wherein a message received by a given input device is processed by a first function $[[f_1]]$ associated with $[[this]]$ the input device, then routed according to said routing table to a designated output device, then processed by a second function $[[f_2]]$ associated with $[[this]]$ the output device.

Claim 6 (Currently Amended): ~~Router according to any of the preceding claims~~ The network router as in any one of claims 1, 2, and 3, characterized in that it includes further comprising:

an operating system $[[,]]$;
input and output software layers $[[,]]$; and
an intermediate software layer providing $[[the]]$ a link between said operating system, said input and output layers, and said generic router.

Claim 7 (Currently Amended): ~~Router according to any of the preceding claims;~~ The network router as in any one of Claims 1, 2, and 3, wherein said inputs input devices and outputs output devices are connected to one of a serial X25 link, BSC link, asynchronous link, HDLC link, links or to UDP or TCP type Ethernet links UDP Ethernet link, and TCP Ethernet link.

Claim 8 (Currently Amended): ~~Router according to any of the preceding claims;~~ The network router as in any one of claim 1, 2, and 3, characterized in that when the wherein messages received by the generic router are routed in a given sequence, and said generic

router includes a function ~~[[F_{ov}]]~~ dedicated to capacity overflow management, ~~[[this]]~~ the function ~~rejecting the most~~ rejects recently received messages until the overflow situation is resolved, in order that the messages are routed in their sequential order without loss of any message within a routed sequence.

Claim 9 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, ~~characterized in that it wherein the generic~~ router includes a function ~~[[F_{ov}]]~~ dedicated to capacity overflow management, ~~[[this]]~~ the function ~~rejecting~~ rejects ~~the oldest~~ older data in favor of ~~the most~~ recent data, and the latter ~~being recent data is~~ routed to the output device.

Claim 10 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, ~~characterized in that it wherein the~~ generic router includes a function ~~[[F_{ov}]]~~ dedicated to capacity overflow management, ~~[[this]]~~ the function ~~reducing the~~ reduces data rate on the route and ~~sending~~ sends a message to ~~[[the]]~~ a data source requesting ~~[[it]]~~ the data source to stop sending messages to enable ~~[[the]]~~ an overflow situation to be resolved.

Claim 11 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, wherein said routed data ~~relate~~ relates to an air traffic control application.

Claim 12 (Currently Amended): ~~Router according to any of the preceding claims,~~ The network router as in any one of claims 1, 2, and 3, wherein said routed data ~~[[are]]~~ is

radar data.

Claim 13 (Currently Amended): ~~Router according to any of the preceding claims,~~
The network router as in any one of claims 1, 2, and 3, wherein said routed data [[are]] is
meteorological data.

Claim 14 (Currently Amended): ~~Router according to any of the preceding claims,~~
The network router as in any one of claims 1, 2, and 3, wherein said routed data [[are]] is
flight plan data.

Claim 15 (New): A method of routing data comprising steps of:
routing data between input devices and output devices;
storing a configuration file including parameters of a given set of routings between
said input devices and output devices;
loading a subset of routings from the configuration file into a routing table; and
executing the routings between said input devices and output devices according to the
configuration file loaded into said routing table.